

# *Report from TP2 calls*

*1/05 Vancouver to 3/05 Atlanta*

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## **Attendees**

- John Abbott
- Lew Aronson
- Al Brunsting
- Piers Dawe
- Mike Dudek
- John Ewen
- John George
- Ali Ghiasi
- Joe Gwinn
- John Jaeger
- Greg Lecheminant
- Tom Lindsay
- Jan Peeters Weem
- Petar Pepeljugoski
- Norm Swenson
- Vivek Telang
- Lars Thon
- Andre Van Schyndel
- Pavel Zivny

# *Topics and progress*

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- Scope noise and jitter compensation
  - Use rss subtraction
  - Make comments to D1.1
- Uncorrelated jitter test tracking
  - Add CRU to test setup
  - Use mixed test patterns, not square wave
  - Make comments to D1.1
- RIN/noise
  - Rx should operate during TP2 test if it makes a difference (applies also to Tx uncorrelated jitter)
    - Make comments to D1.1
  - Use AC coupling
- TWDP code validation by JDSU, Vitesse; usage by others

## *Other topics*

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- TWDP test patterns
  - Still in work
- OMA pattern – length of square wave
  - No group action
- Uncorrelated jitter magnitude
  - Concern about stress to Rx
  - Some consensus that modern Tx's are better than current spec (0.033 UI rms)
  - Comment #147
- Peak power limit for Rx overload
  - No proposals
- TP2 (and TP3) must consider more actual waveforms

## *Remaining work for TP2*

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- TWDP channels, equalizer lengths, limit(s), etc.
  - Dovetail with TP3 work
  - Include effects of actual transmitters
- TWDP test patterns
- Mask test/coordinates
  - X1 too restrictive?
- Uncorrelated jitter limit
  - Find right balance between Tx and Rx